

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: [5151] Auteck QF-1a instructions?
Message-ID: <06NOV95.10772786.0083.MUSIC@MARISTB.MARIST.EDU>

I was just given an Auteck QF-1A. Does anyone have the instructions?
I understand that they are just one page.
TNX
The Rev's Bruce O.Bowes
254 Bloomer Rd
LaGrangeville, N.Y. 12540

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [5172] CMOS III Progress
Message-ID: <951106170817_75230.1405_HHB39-3@CompuServe.COM>

The CMOS III is now functioning, at least to some extent. It's bench wired for speaker, power, and speed control, and sends "OK" when powered up! Not bad, considering a) no instructions and b) extremely tight solder pads on the board.

In fact, it is worth mentioning that the pad spacing is the tightest I've had to deal with-- maybe a 64th of an inch; certainly less than the diameter of the lead on a 1/4 watt resistor.

Anyhow, thanks to those who helped with the parts confusion!

73
Marshall

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rheiss@tuba.aix.calpoly.edu
Subject: [5160] communications headphones -- radio shack
Message-ID: <9511061556.AA10445@tuba.aix.calpoly.edu>

I recently purchased the "Lightweight Monaural Headphones" (20-210A) from Radio Shack. During the Sweepstakes they sounded clearer and were more comfortable than the old-fashioned cans I've used before. Recommended! They are on sale now for \$9.99 at your local RS toy store.

73, Rob K06KA Atascadero, Calif.
rheiss@tuba.calpoly.edu

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rohrwerk@netcom.com (John Seboldt)
Subject: [5173] Contributions to the R2/T2 Home Page?
Message-ID: <199511061754.JAA18420@netcom13.netcom.com>

Thanks to those of you who have visited and commented on the R2/T2 home page at Lehigh -- <http://www.lehigh.edu/lists/qrp-1/k0jd/index.html> -- and the files it points to.

I welcome any additional contributions -- descriptions of your own R2/T2 setup and/or comments, future plans to use it, supplementary circuits, etc. Send them to me and I'll archive them.

: John Seboldt rohrwerk@netcom.com / CW: It don't mean a thing
: K0JD... Minneapolis, MN / if it ain't got that swing!
: My R2/T2 station described in / Di dah, di dah, di dah, di dah...
> <http://www.lehigh.edu/lists/qrp-1/k0jd/index.html> <

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Bob White" <Bob_White@CCMAIL.AEROSYS.LORAL.COM>
Subject: [5164] CW SS - W03B
Message-ID: <9510068156.AA815686112@CCMAIL.AEROSYS.LORAL.COM>

And a fun time was had by all.....

The QRP+ was my rig of choice this year, and again I wimped out by running WATTS (91 - TS940S@5w, 92 - HW-9@4W, 93 - HW-9@4W, 94 - Modified Scout@4W). The front end of the QRP+ needs some help. Even with the 20db pad inline is was still having problems with the stronger signals. With the strong signals the AGC took so long to recover that sometimes I would miss as much as half of the exchange. I must admit that the SCAF is an improvement over the filtering on the Scout for single signal work on the crowded band. I will have to obtain the OHR SCAF for the Scout.

I stuck with the Scout though even with the temptation of the TS940s on the other desk, and was quite pleased with my results (up from last year).

QRPers worked: 15 (we should get extra points QRP/QRP right Chuck?)
Others: 348
Total: 363
Sections: 69

States: 46
Missed: AK, ND, WY, NE (my in-laws live there and the local club wants me to be an out-of-state member. Perhaps I should ask for a yearly sked as a condition of joining!)

Others missed: PQ, SK, NWT, and VI. (three of these I normally bag)

Points: 50K

Antenna: 571 ft. Sky Loop at 55 feet.

Power: 5watts (except for my PAC contact it was 5watts plus -4db (he would not answer at 5w-7db!))

Remarks: I gotta do something about that QRP Plus AGC! Anyone have any ideas?

72,
Bob White W03B (WASTP now 4,838mw (remember that PAC contact?))

bob_white@ccmail.aerosys.loral.com

P.S. I had a local ham call me on the phone during the last two hours of CW SS. Is he uninformed about contesting, or did he just know that was a good time to catch me at home?

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: majewski@erim.org (Ron Majewski)
Subject: [5194] CW SS report from wb8ruq
Message-ID: <9511070350.AA05484@spsd630a.erim.org>

Hello to all-

For those of you that are into such things, here is a summary of my effort in the CW SS.

wb8ruq (Ron)
SO unassisted, QRP
Drake tr5 xcvr running 5w
21hrs of operation

Band	QSOs	Antenna(s)
80	151	quarter wave sloper at 50ft
40	193	quarter wave GP @ 17ft; delta loop w/apex at 58ft
20	49	Cushcraft a3s at 60ft
15	67	"

Total: 460 x 67 multipliers = 61k points

21 hrs of QRP CW -- what could be better? My brain is hazy
and I still hear CW coming from everyday household objects like
the toaster. Who wants a remedy -- I need more of the hair of
the dog that bit me! Where's my key?

High points: Actually holding a frequency on 40m and running 16 contacts
Working each of the 25 other QRPers whose paths I crossed
Breaking both my QSO and multiplier totals from last year

72/3,

Ron (wb8ruq).

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rheiss@tuba.aix.calpoly.edu
Subject: [5170] CW Sweepstakes 95 From K06KA
Message-ID: <9511061654.AA61641@tuba.aix.calpoly.edu>

Radio K06KA, QRP class, Santa Barbara section:

	15m	20m	40m	total			
QSOs	31	+	54	+	93	=	178

178 QSOs * 2 points * 61 sections = 21,716 claimed score. Duration 19 hours.

Rig used: Ten-Tec Argonaut 509 with 208 audio filter.

Antennas used:

- Sloping dipole @40ft for 40m.
- Sloping dipole @32ft for 20m.
- Vectronics VC300DLP tuner and 40m antenna for 15m.
- Feedlines 150ft RG8X.

Software: CQP Windows 1994 (for duping only), on Packard Bell 316SX.

Homebrew gear:

- NE556-based iambic keyer.
- Current-type baluns.
- Regulating AC power supply.

Comments:

This was the first time I've exceeded 100 QSOs in one event; I'll definitely want to send in the log and order a pin. When my rate got low the screen-saver would kick in on my computer. :-) My best rate came just after my hundredth QSO Sunday morning, when I got excited and tried calling CQ on 40m. I pulled in 17 contacts that hour, including the first two of four QRP two-ways.

73, Rob K06KA Atascadero, Calif.
rheiss@tuba.calpoly.edu

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rflight@VNET.IBM.COM
Subject: [5181] Documentation info
Message-ID: <199511062017.PAA30491@nss2.CC.Lehigh.EDU>

Help folks...

Went wading in QRP infested waters during a recent vacation (peak foilage in the Smokies), and worked 8 states with 1.5 watts (and less as the alkalines dissipated).

From Pigeon Forge, Tn on a modified hustler bolted to the luggage rack of my motorhome I managed a DX of San Diego, and Colorado. The best however was a TX contact running 100 watts for a 45 minute QSO culminating in his cranking down his power to 4 watts for the last 10 minutes or so... And declaring "I can't believe I can really hold a QSO with such low power!"

Oh yeah! The band was 40 CW, and I had a run of 8 contacts inside about an hour or so of operating in the middle of a CQ Illinois contest? Sure about half were from Illinois, but I wasn't disappointed.

I had been bit by qrp in the past, but now the condition is terminal. I made this diagnosis when returning from vacation. I sprang to my den to see if I could QRP from my dipole (cut for 80 meters of course). When what to my pondering ears should appear, but a band full of sidebanders chasing DX'ers elsewhere. I spoke not a word but went straight to my work, plugged in my key and then tuned for a CW signal... (ah the beauty of poetic license).

Before I could consider a tap on the key, through my speaker I heard a CQ... ah such glee! I gave out a call to a YL who was keen. She pulled out my signal from the bit guns who were clobberin' the QRP freq. She was only in Florida, and from N.C. is no remarkable achievement. The fact that I was able to do this with high QRM on an optimally mismatched antenna system speaks well of what one can expect with just a bit of effort toward an

optimum antenna system.

So much with the exhuberance of which seems to be more the flavor of this forum. I have a coupla queries that are likely appropriate here.

- 1) What is/are the current QRP records in watts/mile? It seems this was recently broken. Is this record tied to a band or independent of freq?
- 2) What are the rules/criteria for measureing/executing/valadating such a communication? (e.g. how are RX/TX antenna gains factored? How is communications established? Is 2-way communications at the same level required? Are scheduled events allowed/disallowed?)

Perhaps there is a document (on the WEB or at an FTP site) that serves as the official rulebook, or guideline for such activity. A pointer will do if such an animal exists.

Thanks folks... Off to get my QRU shot now.

73 de N3GO / Gary in Raleigh, NC

//// / * / / / //// //// * //// //// / * //// //// ////

Only I am capable of offering such absurdities, and must assume all credit for my opinions and suggestions. They are mine and mine alone. My employer will graciously disavow any knowledge of my existence and laugh heartily at the mere suggestion of such a preposterous notion.

//// / * / / / //// //// * //// //// / * //// //// ////

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: ssalgaller@CCGATE.HAC.COM
Subject: [5187] Eveready Renewal Battery Chargers
Message-ID: <9510068157.AA815704699@CCGATE.HAC.COM>

Does anyone know if an "official" Eveready Renewal Battery charger station is really needed for their type of rechargeable alkaline batteries?
A Charger is \$25 on sale. I (and most hams too probably) have several ni-cad chargers. It would seem possible to use them if one knew exactly what type of charge the renewal batteries "expected". I have seen chargers for rechargeable Lithium batteries, but I've never seen the "care and

feeding" of renewal cells ever mentioned.
It's true they only recharge 25 times (VS hundreds for
ni-cads) but they are a full 1.5 volts per cell, and do have
more amp-hrs capacity.
Thank you,
Stephen S.
WA3ZGT
ssalgaller@ccgate.hac.com

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: CamQRP@aol.com
Subject: [5206] Fall Qso Party Logs via e-mail
Message-ID: <951107092722_15109946@emout06.mail.aol.com>

Guys and Girls,

I have received logs for the Fall QSO Party via e-mail from the people on the
following list. If you sent your log to me by wire and are not on the list,
let me know soon so I can check it out.

W03B
WA8MCQ
N8CQA
N0OCT
AB5EU
K8DD
K5FO
K5ERJ
K3TKS
AB5WB
AD4ZE

Good Grieffff, a total of 143 logs so far!

Thanks, Cam N6GA

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rhaslach@kevr.com (Robert D. Haslach)
Subject: [5207] fox
Message-ID: <199511071508.KAA13963@tkn.kevr.com>

KK5KX and I worked each other at 0228Z thinking the other was the Fox.
Wrong. But made a nice qrp contact (349) Washington DC to Houston on my new

S&S ARK40 into a horizontal 40M loop up abt 30 feet.

Regards

N3FRT Bob

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995

From: Greg Prior <73517.3652@compuserve.com>

Subject: [5175] Fox Rpt correction, SS

Message-ID: <951106181859_73517.3652_HHB56-1@CompuServe.COM>

Hi all - just wanted to make a correction to the WW7Y Fox report:

0255 AC6AQ 449 Greg CA

should be:

0255 AC6IY ...

This was my first Fox! I saw all the emial last year about the fox, and ignored it (no rig). I found it a lot more fun with a rig! :-)
I'm looking forward to the next fox hunt.

Had fun on the SS - it was my first contest. Only on a few hours, and I didn't have the rules, so I kinda faked it as I went. Logged 25 Qs, which doubles the number of Qs since I got my license (and rig) a few months ago. I had trouble with the guys sending 30-40 wpm, but I ended up cheating by recording and playing back on a micro-cassette. Next year I think I'll go after the SS a little more seriously!

Greg - AC6IY

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995

From: lewise@bga.com

Subject: [5200] Fox.....Skunked !

Message-ID: <9511072112.AA0083@jake-4h.ip.realtime.net>

Well I looked everywhere... with both antennas and nary a peep... and that's less that 200 miles away...

Thought I heard one station working the Fox about 7111 at about 0210, but never ever heard any more... no callers or the Fox !

Hmmmmmm was I there on the wrong day ???? Wrong Band ???
Wrong rig ??? Hmmmmmm

- - - -
Larry E. Wise KA5T lewise@bga.com
206 Sinuso Drive 512-863-5870
Georgetown, Texas 78628-1520

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Wynn C C <wyn@stc06.ctd.ornl.gov>
Subject: [5203] FOX: Schedule
Message-ID: <Pine.OSF.3.91.951107090547.1036A-1000000@stc06.ctd.ornl.gov>

Hi Gang,
My Fox sched. will be as follows, barring providential hinderance,
honey-do's etc.:

Friday UTC	0100-0150	7.110 MHz and up	(slow speed)
	0200-0300	7.040 MHz and up	

Thursday EST	2000-2050	7.110 MHz and up	(slow speed)
	2100-2200	7.040 MHz and up	

Hint: I will try to stay in the clear or at least out from under
the obligatory packet, broadcast, & South American Side Band
QRM.

I caught the Chuckmeister at 7.044 MHz last night in the clear
at 5-7-9.

72/73,
Clay N4A0X
wyn@ornl.gov

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: PDouglas12@aol.com
Subject: [5167] KC1/Sierra
Message-ID: <951106114237_99200321@emout06.mail.aol.com>

Hi Gang,

I thought some might be interested my KC1 experience with the Sierra.

One of the better features of the original NorCal Sierra was the true signal sidetone, in lieu of a separate audio oscillator sidetone--this feature harkens all the way back to the original Littlefield 602 rig, and it is meritorious in that it gives some valuable relative info about the outgoing signal of your rig. The problem has always been that some rigs had either too much or too little sidetone because signal leaked all over the inside of the rig, defeating the AGC in some cases. As a result, the later versions of the Sierra had to sacrifice this feature for reliability in production, according to guru Wayne. In my case, I was quite happy with the sidetone level, and didn't want to retrofit a sidetone generator, though it was the prescribed method of controlling sidetone level and installing the KC1. The beauty of this group is the ready access to people like Wayne, and I certainly confess that I have made myself a thorough pain with questions to an ever-patient and generous guy. Wayne took the time to suggest an alternative method for putting in the KC1, without sacrificing the signal monitor sidetone. The only real change is a bipolar PNP transistor to invert the mute output (Base to MUTE, Emitter to D2/D4 junction, Collector to 8V.)

Everything else is per instructions, except I followed one late change posted here by changing RA to 100K in place of the 470K in the manual.

But I discovered something different by leaving off the mute line altogether. Without the mute, the tone of the KC1 comes over the receiver, without obliterating the signals beneath, so I can hear the band beneath.

And it is not at all difficult to copy the KC1's info (eg Freq readout) while hearing what is going on beneath--which is really neat--and it preserves the whole concept of true QSK. With RA at 100K, the KC1 is just loud enough to be over the signals (unless they are S9+30!) and you don't have to kill the receiver to go into KC1 mode. Notwithstanding Wayne's concern about noise generated by the KC1, I didn't hear any. Now, that lack of noise may be partly due to some desensing due to CA across the pins of the 386 audio amp U3, but I am still evaluating that--couldn't get any sense of sensitivity with the caos of SS. First impression is that CA actually killed some annoying high freq hiss coming through the product detector mixer, making the receiver easier on the ears without losing significant signal! You

might want to listen to the KC1 in your own rig without the mute line connected, to see if you like it that way. I do.

Do I like the KC1? Go buy one and see for yourself. It is terrific. It is a steal at \$44.50. (I have no financial interest in Wilderness, of course. I do owe Wayne for his time, but that is a moral debt!) In case you haven't been paying attention around here, the KC1 is a full featured A or B iambic keyer, with a small but adequate memory for everyday -- not contest -- use) and a freq counter that reports its readout audibly in Morse your actual operating freq --the offsets are programable to match most any rig.

And it is all on a board 2.5 x .8 inches.

I did put in a tiny S/Power meter too. To me the SMeter takes away some of that plain crude homemade look that makes some simple rigs look uninviting.

Next step, the noise blanker and Variable bandwidth mods.

72, Preston WJ2V

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [5197] Mercury wetted reed delays
Message-ID: <9511070933.AA01600@wizard.ucs.sfu.ca>

Does anyone know a source of reasonably priced mercury wetted reed relays?
My only local source is extremely expensive.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Bob White" <Bob_White@CCMAIL.AEROSYS.LORAL.COM>
Subject: [5171] Message Correction W03B
Message-ID: <9510068156.AA815687920@CCMAIL.AEROSYS.LORAL.COM>

Oops....left a zero off the end.

Thats.

72,
Bob White (WASTP 48,380mw)

It looked a lot better without the zero on the end. I better stick
with WASTP 48.38w until I can drop another 10db.

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [5149] Mitsuhi addendum
Message-ID: <01HXBF3KQLHEI1AYDI@tntech.edu>

forget to mention:

had to try the LONG telescoping antenna.. so just pulled it up all
the way and hooked the end of a 16 foot piece of wire around the
bottom of the antenna connection.

stood their in the middle of the ham shack indoors and proceeded to work SS on CW .. and it worked...

guess QRP doesn't really work and you need to read about a hundred books on technique and maybe I should consider 2000 watts :-)

73,72 and still counting

Jeff, AC4HF

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [5165] Mizuho
Message-ID: <01HXBIRCZ3E2I1AYDI@tntech.edu>

All,

I got my Mizuho (not sure about spelling.. was never good at Japanese :-)

J.Comm sold them not too long ago(408)335-9120.

73

Jeff, AC4HF

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: NYOUNG@nova.wright.edu
Subject: [5182] Mo' tnx & some stuff about old radio madness
Message-ID: <01HXBVGZIWTE8WWEBU@nova.wright.edu>

To answer Dale/KB0WZ's question about my crystal set questions, I am building a couple crystal sets. The whole deal started when I told the youngest (just turned 8 on el dia de los muertos) that I could build a radio using only a bunch of wire, a salt box, a piece of pencil lead, a rusty razor blade and a pair of very old but still nicely functional 2 kOhm headphones. So now he has a Radio Shack crystal set (that kinda works but overloads as all such simple circuits do), a slider crystal set (what I built on a piece of that cussed, dagnab, intolerable fancy toilet paper rolls that have infected all public toilets these days [and yes, I took the damn roll out of the case]) with a 1N270 for a detector and promises of more.

So I'm building a crystal set. A couple of 'em. I have three books of different circuits and a book of different minerals what I can try to use. That's why I need the ol' fashion holder & cat's whisker stuff: to build more boxes of stuff. My ol' MRL #2 (which I suddenly can no longer locate) used to work so good that I'd sit around for hours listening to stuff. Heard WHO in Iowa on it one night about 4 a.m. I was using a chunk of MRL galena. Surprised the hell out of me. Then I built a badly constructed "Navy Loose Coupler" circuit that worked nicely. But nothing beats the MRL #2. Yet.

So those who advised me to get a catalog from Antique Radio Supply will be happy to know that I just ordered one. I hope they have the kind of stuff that I used to see in Popular Electronics (back when it was a small size, like magazines used to be, like in the ol' days when you could still get 3 years of Ham Radio Magazine [and boy, do I miss that one!] for just slightly more than 2 years worth of money). The little covered catswhisker deal that Philmore used to sell always intrigued me. I can only hope.

And then, to add insult to insanity, I started thinking about building a tube-type DCrx/tx. That's why I mentioned -- in a typically inscrutable sentence -- the UZ3ZK circuit from a back issue of SPRAT. Those who understood will be glad to know that I have just about given up on that project. That's not to say that I won't build it. It just means that I'll get the tube circuits another way.

See, I have a Johnson Viking tx that keys all the time (I understand that it's some kind of "keying tube" problem). AND I have a perfectly good milsurplus receiver that needs a new dial drive, a situation meaning that I'm gonna completely redo the front panel so it looks less like GI Joe and more like Ramar of the Jungle. You do remember Ramar of the Jungle, don't you? The scene of Ramar at the box in the tent, flipping switches and shouting into the microphone "Ramar calling Nairobi... Ramar calling Nairobi.... Come in, Nairobi... Over." It's imbedded in me neurons like the smell of patchouli perfume and a belly dancer's laugh. Hard stuff to forget.

So that's the deal. Next week I build the spark set. It's laid out completely for me in an encyclopedia book that I got from my folks. Including how to make your own capacitor with a door hinge and some sheet metal tacked and soldered across furring strips. Bet that was fun to adjust, key-down!

WB8IJN &c

(And I actually did build a spark set once. Worked great too.)

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995

From: Bob Patten <z002816b@bcfreenet.seflin.lib.fl.us>

Subject: [5158] N4BP SS (High power, gasp!)

Message-ID: <Pine.3.89.9511061027.B18891-0100000@bcfreenet.seflin.lib.fl.us>

Since we have an internal competition going in the Florida Contest Group, I again operated legal limit power in SS (WA8MCQ says it's OK according to the rules). Please consider to my credit that I did pull out 129 QRP stations, almost 10% of my log. My compliments to the many who stuck it out with QRP, some excellent operators! Oh yes, also to my credit, my next to last QSO (NR 1319) was with WA8MCQ on 40M, who presumably was running his 100mw. Now there's a BIG power discrepancy, 1500W - .1W !! I did make a special effort to complete those QSO's who had a Prec of "Q". Since I can't cut the mustard on 40M and compete with the "big boys", I will probably try QRP next November...

1320 Q's 76 Mults (no V.I.) 200,640 points

Yeah, I know, what business does this have on qrp-1!

Bob Patten

bobpatt@bcfreenet.seflin.lib.fl.us

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995

From: JKXM17A@prodigy.com (KENNETH A SMITH)

Subject: [5193] NC40A problems

Message-ID: <013.04300384.JKXM17A@prodigy.com>

Another local ham, N0SAI and I both decided to order NorCal 40A kits. Mine hasn't been started yet but his is finished, with problems. There is no indication of RF output and he wonders if others have experienced this and hopes for suggestions to get the transmitter operating. The receiver seems to work as expected. One thing he noticed is that, according to the assembly manual, there is supposed to be present .7V @ the junction of Q7 and R14. In his unit there is zero voltage present at that junction.

I will pass along any help anyone cares to offer. Thanks. AA0YU

From qrp-l@lehigh.edu Tue Nov 7 14:46:00 1995
From: Gene Marshall <genem@hpswtgm.cup.hp.com>
Subject: [5179] Nice folk(s) at Whiterook
Message-ID: <9511061913.AA22307@hpswtgm.cup.hp.com>

Hey folks:

With the completion of my NorCal, I've been in the market for a light set of paddles for traveling. Since there's been a lot of talk on the list regarding the Whiterook paddles, and the price is right, I decided just to go ahead and buy one to see what it was like. Thanks to WD6BOR for posting the address/phone.

Since I didn't have their catalog yet, I thought I'd just call down there, order one, and get a catalog along with it. Anyway, they're not set up for credit cards yet but offered to put on in the mail today if I promised to send a check!

I'm not suggesting everyone take advantage of this, but it sure is nice to come across someone, or a company, willing to take that extra step for a customer!

Just FYI: California orders are \$9.95 + \$0.72 tax.
What! no \$5.00 shipping/handling ;-)

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BTW: CW Sweepstakes: 115 contacts, 43 sections = 9,890 points.
Since I was on my TS-850/IsoLoop, I didn't credit these power-hungry points to QRP-L - which I thought was the right thing to do.

--

72,
Gene

--

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+-----+
|Gene Marshall          \- \- \          email: genem@cup.hp.com |
|Hewlett Packard Co., MS 42UN      |          aa6iy@ix.netcom.com |
|Software Technology Center (STC)   |  ___o          Tel: 408/447-5282 |
|11000 Wolfe Road           L^ \<._          Fax: 408/447-5039 |
|Cupertino, CA 95014         (_)/ (_)        AA6IY@N6LDL.CA.USA.N/A |
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From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [5205] No FOX again..
Message-ID: <9511071429.AA19442@gvlf6-a>

No trace of the FOX (again!!) in Southeast PA. Nobody calling him.. Nothing.
I did hear QRP stations from 7-land, one in ARK, and other assorted stuff.

Listened "intently" from 0200 to about 0330 then finally gave up. Enough
static for one night.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Dale Hall <102603.30@compuserve.com>
Subject: [5192] NO FOX in KC
Message-ID: <951107041645_102603.30_HHU56-1@CompuServe.COM>

No Fox in Kansas City tonight. I did hear some DX. I think the band was long.
Maybe we need some Foxes in the Carribean or South America. :)

de Dale KB0WZ

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Pat Taber <ptaber@logicraft.com>
Subject: [5201] No fox, Acton MA
Message-ID: <199511071331.IAA113427@nss2.CC.Lehigh.EDU>

Since the sweepstakes made me get off my rump and re-enable my HF station, I
decided to try the fox hunt. So right after bedtime stories were finished, I
scuttled down into the cellar and put the cans on. Sad to say, no fox though
I might have heard something that was the fox but it faded in slowly and
then was blasted to bits by a high power station from 6-land. But I did
manage to copy a few words of very well-sent code with the word "Dallas" in

there.

But although no fox, there was no loss. Listening carefully +/- 5KHz around 7.040, I could hear all kinds of stations barely lifting out of the noise. None solid enough to work, but clearly I was hearing better than I ever had before. I copied one station not by the sound it made above the noise, but by the slight change in the noise when it sent. It was 90 minutes of solid fun and partial copy.

There's a sense of forbidden pleasure here -- stealing a signal out of the noise. Flaunting nature -- hearing things she didn't intend for you to hear.

I'll be back,

>>>==>PStJTT

```
=====
Patrick Taber                      Email: ptaber@logiccraft.com
Principal Software Engineer         Phone: (603) 880-0300
Logiccraft Information Services     Fax:   (603) 880-7229
22 Cotton Road
Nashua N.H. 03063                  Also known as: KC1TD
```

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "John F. Jarvis" <jfj@pacer1.usca.sc.edu>
Subject: [5202] qrp+/ss/fox
Message-ID: <199511071352.IAA12800@pacer1.usca.sc.edu>

The qrp+ arrived Friday afternoon just in time for the SS. The SS provided a nice comparison of it and my old HW-9. The HW-9 has an switchable 400 Hz filter in addition to the 2.4 KHz one that came with it. I give the edge to the HW-9 when working with wall to wall elephants, esp. on 80M. The plus seems to be better at low signal levels. Thanks to all who sent me comments about the plus. My initial experience with it supports what was said.

K5F0 was strong in Augusta, GA last night. No problems. While I could copy Chuck just fine, I couldn't hear many of the stations he worked after our QS0.

SS statistics: 65 sections in 147 QS0s. 5 QS0s were Q-Q. 3 of these were found while hunting. AS many others reported, no sign of ME and NE. Ones I expected to work but didn't include MS, SNJ, PQ, SK, PR. I was chasing sections, not total QS0s.

John Jarvis, KE2WB

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: kub@upl.com (Steve Kubisch)
Subject: [5152] SS QRP
Message-ID: <9511061455.AA07977@ringworld.pacificorp.com>

Hi,

OK, Chuck made the challenge, 100 QSO in the SS. I thought I would try to make WAS QRP in one weekend. Conditions were really good. Only called a few stations that didn't come right back. QRP? I couldn't notice the difference. Could have had higher score if I hadn't been multiplier hunting.

105 QSO
67 Sections
47 States
14,070 pts

Only missed SC, ME, and WY. Only one I can understand is ME. NO, not 1 qrp-qrp contact.

TS 850 @ 4 W
Delta loop on 40
Tribander @ 40 ft on 20
Inverted V on 80

72,
Steve -WW7Y -
Steve -WW7Y-

=====
"We may not have succeeded in answering all of your questions, and the answers we have found only served to raise a whole new set of problems. We feel however, that we are now confused on a higher level and about more important things."

-Tech Support Engineer

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [5155] SS CK numbers
Message-ID: <01HXBFYL7ITE00UHZY@hub.qgraph.com>

I notices the trend too. Very few 90's and 80. Loads of 50's. I always thought it was the call sign of the Operator but Some club stations use

the date of the callsign. Guess its not really critical as long as its consistent.

Brian AE9K

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [5150] SS CK numbers (related to oldest ham)
Message-ID: <9511061447.AA15881@gvlf6-a>

Was it me? Seemed like most stations I worked in the SS this past weekend were giving out CK numbers in the 50's 60's and 70's Very few in the 80's and 90's. Guess the newer guys don't go for the SS? Or was it the newer ones didn't call CQ as much. Just an observation. Seemed like a *lot* from the 50's.

I worked several CALL/CK combinations that did not quite make sense too..

The call vintage did not seem to match the CK year. Is it the CK of the CALLSIGN or the CK of the operator?

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [5153] SS CW results from AE9K
Message-ID: <01HXBFN1ZTJ600VJ0R@hub.qgraph.com>

Time On: 12 Hours
224 QSO's
67 Sections
31,668 P0ints
Rig TS430 S running 5 W
Ant: AP8A
Secret WEapons: CT8 logging program, Timewave DSP 59+ filter

Wish I could have put in the full 24 Hours but had to watch the Green Bay Packers embarrass themselves Sunday Afternoon. Where was Nebraska and Wyoming? Worked AI6v/KH6 Sunday Morning on 20. I was surprised that I could work

stations that I could only hear with the DSP Filter. I wonder how much DX is out there that I could work if I could only hear them. First Time I did the grave yard shift I was interesting to experience the bands opening up in the wee hours.

73, lets do it again in a few weeks

Brian AE9K

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Jeffrey Hetherington <jhetheri@freenet.npiec.on.ca>
Subject: [5163] SS in Ontario
Message-ID: <Pine.3.89.9511061131.A22684-01000000@freenet>

Well, this was my first shot at a CW contest. I just upgraded to the 12wpm licence last month and figured I would give it a shot. My totals were not very impressive, but gives me a personal best (it was my first time 8-)) and something to shoot for next year.

Hours Operated: 5 hours (I had to work 8-()
QSO's : 11
Sections: 10
Pts : 220
Rig: HW-8 - 3 watts on 40m/80m, 1 watt on 15m (never used 20m)
Ant: Multiband vertical, 40m dipole up 30'

Nothing spectacular, but I did have my first 1000 miles/watt from Niagara Falls to Albuquerque, NM on 15m.

All in all a good time, and I'll do it again next year.

See Ya!
Jeff - VA3JFF

=====
L. JEFFREY HETHERINGTON
Niagara Falls, Ontario, Canada
E-Mail : jhetheri@freenet.npiec.on.ca

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: ab253@rgfn.epcc.Edu (Andrew Hair)

Subject: [5161] SS QRP Results - AB5WB
Message-ID: <9511061603.AA16378@rgfn.epcc.Edu>

Time: 13.7 hours
Contacts: 182
Sections: 63
Points: 22.2k
QRP Cotacts: 4

Comments: Gotta learn how to use CT more effectively. Tried calling CQ a couple times but botched it on the logging. I must have really annoyed 3 or 4 folks in the attempt. Antenna was a rotating dipole at 30 feet for 15 and 20 mtrs. For 40 mtrs I used an inverted vee at 28 feet. The rig used was an FT-757GXII cranked down to 5 watts. Am already looking forward to next year!

--

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [5191] SS WK ND Deviant Behavior Dept.
Message-ID: <m0tCcyY-000B1PC@rcp.net.pe>

I passed it up.

10 meters was opened and the El Paso event was just too much easy pickings, so I worked them SSB QRP.

Here in Peru was the 100th Anniversary of Marconi and the club had a 40 meter & 80 meter event both nights (6 PM to midnight - civilized hours). So I did that SSB at 8 watts PEP and worked all but one that I heard. Even got some folks to try QRP. Nothing like spending the weekend "spreading the word." Amazing how nice it is to have consistant 20 & 30 over 9 reports, but then again my neighbors have to look up at my antenna -- vertical 50 meters above the street! I even had pile ups going because I checked in late and everyone needed a new station.

Time to look for the fox plus the NW QRP crowd on 30 meters.

Kris
OA4DBO

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: bkmak@airmail.net (Bob Kmak)
Subject: [5204] SS...NO LUCK
Message-ID: <199511071425.IAA02812@server.iadfw.net>

Well, the sweepstakes didn't turn out so well for me. Running about 3 watts from my Yaesu FT-101e on 40 meters, almost no one answered my calls. After 4 hours on Saturday nite with only 2 QSOs to show for the effort, I gave up, hoping that things would be better in the morning on 20 meters. Sunday morning, I tried again on 20 and 15, calling only the strongest stations. Still no good. I guess I'll have to take a closer look at my dipole... :-(

Bob
KC5RAS

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Lau, Zack, KH6CP" <zlau@arrl.org>
Subject: [5162] Sweepstakes
Message-ID: <309E2D57@arrl.org>

Catching the flu just before the contest and having to fix the 80 meter loop Saturday morning made this my worst effort in preparing for SS. Sort of strange feeling progressively better as the contest wore on--so I actually managed to operate the entire contest with a break for sleep and another for lunch/rearranging the gear...

Score: about 70 k pts--missed VI, AK, PQ, SK, NWT, ND

Rate was surprisingly constant, started with 20, 22, 23, ending with 22, 21, 17. I had 25 Qs the hour I picked up VE1, ME, and PAC, so multiplier hunting doesn't always hurt the rate... Maybe if I had a better rate...

Worked 33 QRP stations, though my QTH is pretty noisy, with power lines on all 4 sides of the small block.

4.6 watts to 80 meter Horizontal loop up 15 to 35 ft

40 meter dipole at 30 ft
20 meter mostly vertical wire hanging off tree

Zack KH6CP/1 zlau@arrl.org I plan to be at the NEWS
(VHF+ club) meeting Nov 11 in Vernon CT

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: scalawag@ids.net
Subject: [5178] Sweepstakes summary
Message-ID: <199511061906.0AA47918@nss2.CC.Lehigh.EDU>

Lots of fun!!!

Guess my only "brag" is working seven "Q" stations,
but those monster scores from K0FRP and probably
K0RI must include a lot of Q stations.

At least I know that WA1GUV, W6IO, KG5U, WV5S,
KD2I, K0FRP, and K0RI were on...plus those
posting here.

Here: 199 QSOs, 43 states, 65 sections for 25,870.

I was going to put in a big plug for the loop
antenna....until I saw that set up at K0FRP!
Maybe later.:)

Yes, 10 meters was open when the contest began
Saturday afternoon. My first 14 QSOs were on that
band which did not (apparently) open anymore.

72,

Lee W5TEH
SCALAWAG@IDS.NET

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Bowes, Fr. Bruce" <GBB1@MARISTB.MARIST.EDU>
Subject: [5180] Tnx got instructions QF-1A
Message-ID: <06NOV95.15838495.0071.MUSIC@MARISTB.MARIST.EDU>

Got a copy of the instructions

TNX
Fr B

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: KE3FL@delphi.com
Subject: [5168] TOO MUCH
Message-ID: <01HXBLL5SFX49I6KA9@delphi.com>

Sorry I don't have time for all this! How do I cancel? OR, how can I get all the mail in a "digest?" one piece of mail? or how can I directly dump the mail (ALL of it) to my hard disk?

Any help here would be appreciated!
73 de KE3FL@delphi.com
:0

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>
Subject: [5195] variable filter measuements
Message-ID: <9511070038.aa24752@inside.cruzio.com>

Eric, wa6hhq and I measured the filter response of the variable filter mod this weekend . This filter was installed in my Norcal 40.

	filter open	halfway	full filter
bandwidth @ 6db points	1420 khz (limited by the audio passband to approx 1 khz	495 khz	200 khz

The filter isn't "ideal" there is a slight double peak, but not noticable in use from a practical standpoint

The insertion loss when the filter is fully cranked in is 7db.

The varactor diodes were not matched but sample testing indicated they were within about 10 % of each other under various test voltages @ 4.915 Mhz.

Mvam 109's were also tested and exhibited slightly less maximum capacitance, but would probably work fine , with perhaps just a

slightly wider bandwidth. (probably not a discernible difference).

Operating notes ;

With the filter open wide you can easily hear the opposite sideband.
Tuning is best done with the filter only halfway open.

Despite the 7 db insertion loss , the signal to noise can be improved
so much that stations are easily copied through qrm/n that otherwise
wouldn't be workable.

SSB signals are not easily copied due to the limited audio response.
Stan n6ulu
Stan@cruzio.com

--

Stan Goldstein

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [5196] W3TS antenna tuner opinions??
Message-ID: <9511070851.AA01278@wizard.ucs.sfu.ca>

I would be interested in hearing any opinions on the W3TS "super Tee"
antenna tuner. I am currently using a small version of the spc tuner
with a balun at the output for use with balanced lines, and need another
one to allow faster switching between my two antennas.

Thanks in advance.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: etillona@interserv.com
Subject: [5185] Wanted Ten/Tec Model 208
Message-ID: <9511062307.AA18165@m1.interserv.com>

Wanted: Ten-Tec CW filter, Model #208. Please reply via email.

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* Emil J. Tillona                      * Ham: KD1F
* email: etillona@interserv.com        * QRP ARCI 8328
* Cluster: KD1F Node                  * President Radio Central
* Packet: KD1F@KC2FD.NLI.NY.USA.NA    * Amateur Radio Club
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From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: N0oct@aol.com
Subject: [5189] What is this ship, the SS Results??
Message-ID: <951106201332_14622876@mail02.mail.aol.com>

Ha. Poor joke for a Monday.

SS this year didn't start until 10 pm Sat due to a trip to the emergency room.

Worked about 6 hours, quite casually. Used a NN1G 40-40 with CWF-2 filter and outboard W7EL 5W amp to a St. Louis Tuner. Then to the 40 meter sloping dipole. Worked about 77 stations, and 38 mults. Worked NH, RI, and even busted a pile up on MAR by sending /Q at the tailend. Took two tries. I could hear a few fried "B" and "A" types during the exchange.

Single band op is nice. If you take your time, you never hear the same station twice, it seems. With only 35 kHz of bandwidth, I was pretty impressed.

KB4GI and WA0RPI were the only two QRP'ers I worked. I held a spot on 40 meters for about 10 minutes with about 6 replies. This was the middle of the afternoon, so no great feat there.

Was fun. When do I stop hearing the dits?

73, Jim N0OCT

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: N9DD@aol.com
Subject: [5190] Wire antenna stolen!
Message-ID: <951106202203_81613123@mail04.mail.aol.com>

Well...it dissappeared, at least. For the last 5 years I've operated with a center-fed Zepp antenna which ran along the back edge of my property. It was supported in the middle by a tall Ash tree and on either end (actually

outside my property a bit) by two other good sized trees. The ladder line was fed into the lower level of our house through a double-hung window. It has been a great antenna. I worked Hawaii on 80 meters with it (my last state for WAS- 80 mtrs) the first week I put it up. I've worked tons of QRP QSOs with it on lots of different bands.

A couple of weeks ago the tree on the West end, which had died a year or so ago, was cut down. I was relieved to find that the workers had neatly coiled up that end of the antenna at the base of the center support tree. Whew! The lot immediately behind us (we live in a subdivision) has gone vacant for all the years we have lived here. I expected it would never sell so I had no problem with tying the now loose end of the antenna to a small scrub tree there. The antenna still worked fine - maybe even better!

Last Friday (THE DAY BEFORE SWEEPSTAKES) I came home for lunch and was horrified to see workers putting footings in for a new house behind us. My antenna!

Did they rip it apart or were they nice enough to neatly leave the loose end back on my property? I looked, and looked harder, but THERE WAS NO ANTENNA! It was gone! The ladder line, the center insulator, the wire, all gone! They must have pulled the scrub tree to which I had one antenna end tied and pulled the whole antenna away with it.

I raced downstairs to my ham shack to see if anything else was damaged. The shelf on my operating desk that once held my NN1G 30 meter rig, NorCal 40A, MFJ antenna tuner, WM1 Wattmeter, etc. was bare. The lower level of our house is a walk-out basement. It is unfinished and collects lots of junk along with all my radio stuff, so it took a while, but I managed to find all the missing equipment. It was strewn in a path that led to the window through which my feedline once ran. The double pane window was broken on the inside. I had this horrible picture in my mind of the equipment flying towards the window as the antenna was yanked away. THANK GOD FOR LOUSY CONNECTIONS! What if my beloved QRP equipment had gone through the window and dissappeared along with the antenna?!

Still mourning the loss of my Center-Fed Zepp, I gathered the equipment together, looking for dents and scratches. It all seemed to survive the calamity. I applied power to my NorCal 40A and it perked to life. The meter, antenna tuner, etc. all seemed fine. But what was I going to do for a Sweepstakes antenna?

Saturday morning I scraped together every hunk of stranded wire over 10 ft in length that I could find in my shack. I managed to solder together about 150 feet and ran it out the window and into the trees to the Northwest of our house. It was going to be a busy weekend with family matters and an antenna party for our local Packet Radio club on Sunday, but Chuck said he wanted us all to try to get on and make some sweepstakes QSOs so I had to do it.

Well, I did get to operate Sweepstakes - and I don't think I did all that bad for a 40 meter only, QRP effort with an end-fed wire antenna. I made 84 QSOs during about 10 hours of operating. I worked 31 states including some rare ones like RI, NV, ND, SD and VT. Oh, there were lots of stations I called who never answered me, but I was amazed at the great receiving skills of many West coast stations who must have really had to strain to hear my 2 Watt signal.

So I have lots of new dreams for wire antennas which will help me work the world, but I'll always remember my center-fed Zepp and its horrible demise. I hope the rest of you had a less eventfull weekend!

Tom N9DD
South Bend, Indiana
QRP-ARCI, G-QRP, NorCal, MI-QRP

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Stan Skelton <sskelton@cln.etc.bc.ca>
Subject: [5176] Re: CMOS III Progress
Message-ID: <Pine.3.89.9511061053.A19694-01000000@sparky>

Hi Marshall...congratulations on the progress of the cmos iii, I just saw your postings this am when I logged on from a respite during the weekend...I built one a couple of months ago with similar misgivings about the spacing between the traces....I had a bad solder joint that took a couple of days to find but the keyer is worth it....I still don't know how to use a bunch of it's capabilities but its still by far and away the best I've seen....keep at it....
73's Stan...VE7SKT

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [5166] Re: communications headphones -- radio shack
Message-ID: <9511061641.AA16799@gvlf6-a>

>I recently purchased the "Lightweight Monaural Headphones" (20-210A) from
>Radio Shack. During the Sweepstakes they sounded clearer and were more
>comfortable than the old-fashioned cans I've used before. Recommended!

>They are on sale now for \$9.99 at your local RS toy store.

My 20+ year old KOSS headphones finally died for good a few weeks ago. Needed to get something new before contest season started. I could have replaced them with the exact same thing for \$85 but went with a middle-of-the-line pair of SONY stereo headphones.. Model something-200 [I forget] for about \$45 from the local Circuit City. Working very nice and a lot lighter than the old clunkers..

I wanted something with a good bass response since I prefer to listen to CW with a 300-400 Hz note.

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: dgf@netcom.com (David Feldman)
Subject: [5159] Re: Converted Whiterook MK-44 paddle into a self-contained key
Message-ID: <199511061550.HAA08564@netcom12.netcom.com>

(back after about 30 SS Q's with NC-40A and modified Whiterook paddle/keyer, all out of my new KB0LMQ rig-in-a-bag setup...!)

>1. How much of the pc board did you cut away - I imagine you took out some
>parts - which ones.

About 1/4" away from all edges of the board (this began by an accident when I tried to cut a bit less with my metal shear and broke part of the board, so I took my wire cutter out and started chopping away). Also cut away a rectangle on the corner near Q1/R7 (to clear the speed toggle switch body). It isn't actually that critical - just cut away enough to leave at least a 1/8" gap between the board edge and the lower paddle box part so that the upper paddle box part can fit in the lower part (and take thingamajig "A" and fit it into doobobber "B", etc....)

I guess I'll note one other "trick" -- after I got everything "sort of" together, I found finally I could fit the box halves back together easily, so only then did I make up the epoxy, and did the battery and then the PC board in two separate steps. This way the two parts would "self align" with the liquid epoxy into a good position. I had to be really careful not to get any epoxy onto the lip of the box halves, or nothing would come apart

again. Luckily that didn't happen.

>2. I still don't see why you went the route of "SSM - sudo (or is that
>pseudo - hi) surface mount. Wouldn't the finished depth be the same if

I prefer to call it PMSM (poor man's surface mount, or I guess these days
PPSM=poor person's surface mount). Anyway, I originally anticipated wanting
a really flat surface so it would bond with double sided sticky tape. Even
tho I eventually did epoxy, the added depth say 2mm for the solder joints
would have exhausted the available space. Besides, having the components
and foil on the same side somewhat permits repairs/modifications after the
fact (I did this to change my two speeds after all as built).

>3. How in the world did you get the battery in there? Just out of curiosity
>is the Curtis chip orientated along the axis of the paddles or perpendicular
>to it?

Both the chip and the battery are parallel to the main paddle levers. The
battery is to the left edge (as you look towards the front of the paddle),
and the board was oriented to minimize it's height in the area of the
battery, which with the older is just about as thick as the open space
inside the box. I was originally tempted to try to solder wires onto the
battery, but then the person at Rat Shack showed me this nifty battery
holder and it was worth the effort to use it.

Later on I decided I should have moved the battery as far to the rear as
possible, as that would have permitted installation of another switch in
front of the battery on the front panel. Oh well, live and burn.

>4. Did the long anchor screw from the pivot of the paddle need to be trimmed
>(it seems like may get in the way of the board).

Yes, I replaced the screw with one that's 1/4" shorter, then used loc tite
type 271 to hold the nut permanently onto the shorter screw (notice the
casual use of the word "permanently". Ha!)

I also mangled the two terminal pieces to get them out of the way. I had to
be careful in bending them to still let them have freedom to clear the
holes and permit freedom of movement.

>5. Do I understand that you mounted the pc board on the bottom cover of the
>Whiterook paddle and extended some dainty wires to the jack and speed switch

I have 7 wires crossing over the halves - I used for the most part cuttings
from a "spectra strip" ribbon cable, but any stranded 24 guage would work.

>- let me know if you come across a tiny, tiny pot at Gateway or somewhere -
>that would be neat.

Of course I'll probably get a couple of more of these MK44's and try a refined version, with a speed/on-off control required on the next pass.

Another thing - I was really concerned that the paddle/keyer would accidentally key while stored inside the carry case, so I discovered that I could put a 1/2" length of 1/4" shrink tubing (unshrunk) over the center contact/stand-off and this acts as an insulator to prevent operation when unintended. This scheme probably isn't as good as an on-off switch but it was easy to add after the fact.

This little effort only took about 3 hours start-to-finish (including building the FAR circuit board) so it's entirely feasible that a second version would be nicer.

>Anyway thanks for the posting Dave and be sure to get this written up in the
>Colorado QRP Club Low-Downer newsletter (and I promise I won't ask any more
>questions - hi).

It didn't occur to me to send it along to the CQC letter but that would be the obvious place to print it, as I'm CQC member (number 67 I think). Maybe I'll assemble this text and the original post into something readable and send it along to them.

Well thanx for the encouragement and kind words. I kinda wish I had a camera, scanner, and somewhere to post a html home page, as for this thing a picture is probably worth more than my attempt at a description.

73 Dave WBOGAZ dgf@netcom.com

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [5183] Re: Documentation info
Message-ID: <Pine.OSF.3.91.951106170439.24263A-1000000@saturn.acs.oakland.edu>

On Mon, 6 Nov 1995 rflight@VNET.IBM.COM wrote:

> Went wading in QRP infested waters during a recent vacation (peak foilage
> in the Smokies), and worked 8 states with 1.5 watts (and less as the
> alkalines dissipated).
>
> From Pigeon Forge, Tn on a modified hustler bolted to the luggage rack
<SNIP!>

Geez Gary!!! That was a nice post but you didn't mention one word about stopping into the QRP Mecca in Seerville, Ten Tec!

Uhhhhh... you DID go there... didn't you?

73 :-) =paul= wb8zjl
collector of Ten Tecs and other fine plastics

From qrp-l@lehigh.edu Tue Nov 7 14:46:00 1995
From: cebik@UTKVM.UTCC.UTK.EDU
Subject: [5198] Re: Documentation info
Message-ID: <Pine.PMDF.3.91.951107064901.543418980C-100000@utkvm.utk.edu>

On Mon, 6 Nov 1995, prvalko wrote:

> On Mon, 6 Nov 1995 rflight@VNET.IBM.COM wrote:

> > From Pigeon Forge, Tn on a modified hustler bolted to the luggage rack

> Geez Gary!!! That was a nice post but you didn't mention one word about

> stopping into the QRP Mecca in Seerville, Ten Tec!

He did not even stop here in Knoxville for a cup of coffee.

LB, W4RNL

From qrp-l@lehigh.edu Tue Nov 7 14:46:00 1995
From: pituch@usa.pipeline.com (Steven Pituch)
Subject: [5186] RE: History of QRP, and SS

Chuck,

I want you to know that your composition posted to QRP-L on Oct. 14th was truly inspirational. I've been trying for a while to figure out why QRP is so attractive to me. The next day I sent my \$12. to Ade for my copy of "History of QRP". I wrote him a letter telling him how I usually read the good QRP stuff 5 or 6 times from cover to cover. The day before the SS contest the book comes. It is so good I don't want to stop reading, so I can get ready for the contest.

This guy (Ade) is terrific! The first chapter about himself explains it all. Now I don't wonder about why we play with only less than 5 Watts (some would argue less than a full deck). QRP is and has been the essence of amateur radio since 1924. QRP folks back then had worse problems than we do coping with the QRO mentality.

Before I started reading the book, I couldn't decide whether to go for the

pin with 100W, or try to go QRP with 5 W and maybe make half the contacts. After I read chapter one, I knew that I wouldn't enjoy the contest unless I was QRP. My CW is at best 15 WPM. I love CW but have this semi-dyslexic thing that makes me confuse certain letters. I need a couple of hours a day of CW just to keep the 15 WPM. I've gotten pins for other SS contests, but they were club efforts, and I never really earned one on my own. Well, I can happily report that my QRP effort resulted in 131 contacts. I had to listen to each station for 3 or 4 times before answering. I even got use to writing down the next number in the series in anticipation of working him. I tried to only answer S7 and higher stations. By doing this, I really didn't have any problem being heard. Those contest guys are sharp. Also, when they heard my Q precedence, and my hand paddle keying which wavered but never stopped, they often sent an extra note of encouragement at the end of the contact. I got use to quickly answering requests for fills.

QRP stations worked: WA1GUV, W1MJ, K8HVT, KB4GID.

So thanks for the tip about "History of QRP". I've got an inspirational story of my own to tell. I'll let you read it first when I get it into words, as I'm not as fluent as you are when it comes to inspirational writing, and would appreciate any criticisms of style.

If anybody has a readable copy of "Joy of QRP", and is willing to part with it, please E-Mail to me (PITUCH@USA.PIPELINE.COM) condition and price. I've got to get that book.

73/72 and God bless,

Steven Pituch, N2MNN PITUCH@USA.PIPELINE.COM
Livingston, New Jersey

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [5188] RE: History of QRP, and SS
Message-ID: <199511070029.AAA06883@chuck.dallas.sgi.com>

Steven

Thanks for your notes and you personal history.
It is the thousands of untold stories that make this
hobby very interesting. Keep it up and post more
often. I don't consider myself a writer.

We have on this group thousands of stories and if they
were all told in a week the number of unsubscribes would
skyrocket. But it's these gems that come across the
qrp-1 reflector that keep us going. We all need to
reflect on the big picture.

You comments about the 1920's is something that we each must consider. First thing that comes to my mind is at that time the guys had there problems in getting parts (not unlike today), solving logistics, solving technical problems, finding articles, testing circuits, getting up bigger and better antennas, not unlike we all do today.

But the thing that I really wanna know is: without TV's and without 50KW BC stations and line noise and manmade electrical generators, could they hear more than we could with our superhet receivers. Just what is the maximum sensitivity of a super-regen receiver in a quite environment?

The postings on the check number received during SS were interesting, so I ran a quick ditty and here is my findings:

1930's	-	6	count
1940's	-	3	
1950's	-	64	
1960's	-	55	
1970's	-	48	
1980's	-	14	
1990's	-	9	

Again, other's milage may vary. I don't what it says. The "younger" crowd doesn't do contests, they are competitive, or they were on different bands, or what. It's just data. Wait until the ARRL publishes the results. Maybe we can get them to do a statistical analysis of the data.

What we have to do is catch the guys from the early days and ask them all the questions and record it for posterity. Otherwise we'll lose all the valuable lessons. The beauty of Ade's book is that it does that for a number of people. It'll last forever as long as we make sure that our copies of the book are passed on to be treasures of the past. Talk to the guys at club meetings, Dayton, and your local hams and see what you can find out. Get them to write it down. Collect 'em and write another book. We'll buy it and read it over and over again.

If you took a survey of the silent majority on this reflector, I'd bet they read books like DX chasing by Bob Locher, Ade's book, and other narratives. Sure,

we get down the technical books but the "easy" reading materials are my favorites.

The hobby and life in general is about sharing. If we don't continue the tradition we'll lose everything.

Again thanks for your insight and kind words.

Few of us and I don't include myself in this can get to first place in this kind of contest, but we can for ourselves get the satisfaction that we have been there and we did that. We can try for better scores next year and we can send in even the smallest of scores. It shows participation. If another ham points to the low score and ridicules it then he/she has lost sight of what it is all about.

So, what we want for the next session of the SS Phone towards the end of the month is to hear from the phone gang. This group is more than CW phreaks (sic). So let's hear how the Cascades and QRP+'s do in a crowded room like SS is.

Then for the real die-hards there is the CQ DX WW test.

I'm sorry for the lengthy post. So much to do and so little time. :-)

See everyone at the fox hunt.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: torell@sicom.com (Kent Torell)
Subject: [5177] Re: Milliwatting in the CW SS
Message-ID: <v02130503acc3da1904a3@[192.91.202.41]>

Back in the saddle again

I was briefly licensed starting in my jr. high days ('68), and had the most fun building radios and antennas. Transmitting, tho, was a real fear... I made all of two cw contacts my entire career (blush). Then, off to college, study engineering, and get a job building 'real' radios. Last

year a friend introduced me to qrp-l. I chased down the design articles on the current qrp radios, and decided I had to build one! Worked up a 40 meter design based on a cross between the NW40-40 and the Norcal 40, cobbled up a vco using a slug-tuned inductor (never again!) and I had a qrp transceiver. Then, I had to get licensed again, so found a copy of super morse and got my speed up to 15 wpm. Took the exams one sat morning, and I was given an alter ego of KJ7EY.

I then spent a full year selling the house and moving across town, so no antenna, and no operations :-(. However, I listened for the fox, copied W1AW bulletins and general qso's (voyer ham, I guess). So, cw ss was going to be the big day, when I would finally make contact with the outside world! The weekend before, I pulled some wire over the top of the roof, drove a ground stake, and tuned it up. Computer modeling said it would be a poor antenna, but based on comments on qrp-l, I judged that something would be better than nothing. Sure enough, I answered a strong, slow speed cq from a Mexican station in Sonora on saturday for my first cw qso of the decade! And, just like the first contact way back when, I had an adrenalin panic... after 15 minutes, with half the code just dribbling through my brain without being able to decode it (I also think he was using some of the accented cw characters) I managed to sign off (mi esposa es aqui ahora, 73...). Now I knew I could communicate!

When ss started, all these high speed operators packed across the band! I got scared, and retreated to the low speed area (thank God!) and listened for a while to see how people were operating.

>Mike Czuhajewski writes:

>When you run seriously low power in a contest, not
>just a couple of watts, it's an entirely different world. The
>frustration level ratchets up rather quickly, by a couple orders of
>magnitude. You quickly get a feeling for how strong a signal you can
>call and expect an answer, and it's usually only the strongest ones.
>And not all of those can hear you, either.

With my little rig, and poor antenna, I could only talk to the strongest guys. I did get to make one qrp-qrp contact, but it was extremely difficult, as we had other operators start sending over the top of us, and we had to shift frequencies and find each other again.

The most interesting time was at the end of the contest; There were no other high powered, slow guys to work; cq ss drew a blank, and none of the high speed guys could hear me in the mud (I guess). When the deadline quit, operators sent dit dit, and a great silence descended across the whole 40 meter band.... it reminded me of the old 50's atomic bomb movies, where everyone had been killed; just silence on the airwaves.

So, a total of 7 stations worked, in 7 sections. One, 1400 miles away :-).

Very satisfying. Always a repeat...nr??? I knew I was in trouble when I heard one guy Sat eve with 540 already....

Now, a couple of the stations requested QSL cards....

72, Kent Torell KJ7EY (10 dB below QRP...)

Kent Torell torell@sicom.com 602-483-2867
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: H Smith <hbs@crl.com>
Subject: [5157] Re: oldest ham
Message-ID: <Pine.SUN.3.91.951106071057.11132A-100000@crl12.crl.com>

On Mon, 6 Nov 1995, Pat Taber wrote:

> Is the oldest ham the ham who is oldest or the person who has been a ham the
> longest?

Good question.

You have to have a lot of respect for the ham who has been in the hobby for 60 or more years.

Friday, I talked to a gentleman on CW who was 73 but had only been a ham for a few years. So he was a senior citizen when he got his license.

This is also impressive :-)

CUL,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Dave Hockaday <wb4iuy@nando.net>
Subject: [5154] Re: SS CK numbers (related to oldest ham)
Message-ID: <9511061505.AA09404@merlin.nando.net>

Hi Pete!

>Was it me? Seemed like most stations I worked in the SS this past weekend
>were giving out CK numbers in the 50's 60's and 70's Very few in the
>80's and 90's. Guess the newer guys don't go for the SS? Or was it the
>newer ones didn't call CQ as much. Just an observation. Seemed like
>a *lot* from the 50's.

I worked a lot with 80's and was surprised to see so many in the 90's...

>I worked several CALL/CK combinations that did not quite make sense too..
>The call vintage did not seem to match the CK year. Is it the CK of
>the CALLSIGN or the CK of the operator?

People change calls, and that used to be required when a person
upgraded...like wn's changed to wb's or wd's. That's probably what happened.
The CK was the year first licensed.

73 de WB4IU Y

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: Pat Taber <ptaber@logiccraft.com>
Subject: [5156] Re: SS CK numbers (related to oldest ham)
Message-ID: <199511061523.KAA50574@nss2.CC.Lehigh.EDU>

>Was it me? Seemed like most stations I worked in the SS this past weekend
>were giving out CK numbers in the 50's 60's and 70's Very few in the
>80's and 90's. Guess the newer guys don't go for the SS? Or was it the
>newer ones didn't call CQ as much. Just an observation. Seemed like
>a *lot* from the 50's.
>

Gee, I was spending most of my time logging 80's and 90's checks. (Not that
I logged a lot of them.) I wonder if the difference is that I spent the
whole contest (just about) in the slow-speed area? (I send a check of 88
myself....)

I did wander out of the "safe zone" occasionally but couldn't even get
enough of most people's calls to ask them to slow down.

My two favorite things: (1) Finding two precedence B stations locked in a
struggle to hang on to 7.040 for a calling frequency when I went looking for
QRP operations. (2) Finding out I hadn't wasted my money on a DSP filter -- I
got a chance to use it to separate two stations. I had to cut the bandwidth

From: "rohre" <rohre@arlut.utexas.edu>
Subject: [5184] RE: Tuner needed
Message-ID: <n1396447269.74453@msmailgw1.arlut.utexas.edu>

Just returned from the new Gulf Coast Ham Convention, at Humble Civic Center TX, (north of Houston Intercontinental Airport on Hwy. 59).

Ed N5EM, correct my memory of the Tuner we saw:

Bill Hickox of Tejas was showing a tiny Tee tuner he has made for himself. It uses two of the Transistor radio type BC band plastic capacitors, which if memory serves, are 250 pf or maybe 365 pf each. He winds a toroid that is tapped I believe for the Inductor. The whole thing is perhaps one inch high, and has a tap switch, and the indicator circuit out of his Field Strength meter kit, the voltage doubler diode circuit; with an edgewise "Tuning" meter being driven to max RF out when the tuner peaks. I think his toroid has a link coupling output, if not a standalone balun. (I guess it has to have a balun.)

A very clever solution was his balun output binding posts: He has some shoulder washers from the power transistors he uses on his Transmitter board, and these have a screw through them and the back wall of the chassis, insulated by the shoulder washers. They are perhaps 4-40 size. He then threads hex shaped nylon standoffs onto these long screws for the insulated part of the binding posts. Tightening down on these you can fasten wires from twin lead. Smallest binding posts I had ever seen. Bill was selling the caps, of which he had a number, and then you would furnish a box and the rest. Some sort of indicator would be needed for optimum setting, as it is pretty hard with such small capacitors to have a dial scale, and in fact he did not put one on his unit, using the peaking indication instead.

It would be small enough with the Tee circuit to mount over or under most any of the kit rigs we have.

72, Stuart K5KVH

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995
From: cebik@UTKVBX.UTCC.UTK.EDU
Subject: [5199] RE: Tuner needed
Message-ID: <Pine.PMDF.3.91.951107065229.543418980D-100000@utkvx.utk.edu>

On Mon, 6 Nov 1995, rohre wrote:

> Bill Hickox of Tejas was showing a tiny Tee tuner he has made for himself. It

> uses two of the Transistor radio type BC band plastic capacitors, which if
> memory serves, are 250 pf or maybe 365 pf each. He winds a toroid that is
> tapped I believe for the Inductor.

Has anyone measured the Q of some of those tiny BC plastic capacitors?

Two proven principles of good ATU construction are 1. use high Q capacitors, and 2. reduce strays to the absolute minimum. As an article in the current issue of 72 reports, connectors and adaptors already eat significant power. Be careful of other loss sources. An indication of a good match does not mean the ATU is in the lowest loss configuration (except perhaps an L circuit), and it does not mean there are low losses due to low-Q components and strays.

Hence, my interest in the Q of those plastic variables.

-73-

LB, W4RNL

From qrp-1@lehigh.edu Tue Nov 7 14:46:00 1995

From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>

Subject: [5169] Re: where? (uudecode.zip)

Message-ID: <95Nov6.115449est.14521-2+30@hooch.CC.Lehigh.EDU>

> > Where can I get uuencode et al (for ms-dos)?....

> >

> > Baab,N6CXB

> I've gotten several copies off of the net, but not sure where. So,
> I zipped up a freeware version and uploaded it to the qrp-1/incoming
> site.

>

> 72, de km6wt

Mont,

Thanks much. Sorry for the delay... I've moved it to qrp-1/tools:

uudecode.zip (1 part, 25533 bytes) -- Freeware PC uuencode/uudecode

73

Jim N3VXI